

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	TaiVie Chiang et al		
Serial No.:		Examiner:	
Filed:	January 21, 2004	Group Art Unit:	
Title:	Head Polarity Detection Algorithm And Apparatus		
Docket:	STL11658		

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
(REVOCATION OF PRIOR POWERS)**

As assignee of record of the entire interest of the above identified application,  
 REVOCATION OF PRIOR POWERS OF ATTORNEY  
 all powers of attorney previously given are hereby revoked and

**NEW POWER OF ATTORNEY**

the following practitioners/patent agent are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith.

	Raghunath S. Minisandram, Registration No. 38,683
Derek J. Berger, Registration No. 45,401	Mitchell K. McCarthy, Registration No. 38,794
Kirk A. Cesari, Registration No. 47,479	Carol I. Bordas, Registration No. 37,284
Paul T. Dietz, Registration No. 38,858	Jennifer M. Buenzow, Registration No. 50,124
David K. Lucente, Registration No. 36,202	Joseph F. Villella, Jr., Registration No. 30,599
Jesus Del Castillo, Registration No. 51,604	Brendan Hanley, Registration No. 52,429

**CHANGE OF ATTORNEY'S/ AGENT'S ADDRESS IN APPLICATION**

Kirk A. Cesari  
 Seagate Technology LLC  
 Intellectual Property Dept. - SHK2LG  
 1280 Disc Drive  
 Shakopee, MN 55379-1863  
 (952) 402-3534 (telephone)  
 (952) 402-2657 (facsimile)


**STATEMENT UNDER 37 CFR 3.73(b)**

Seagate Technology LLC states that it is the Assignee of Entire Interest in the patent application/patent identified above by virtue of an Assignment from the inventor(s) of the patent application/patent identified above. A copy of the Assignment is attached and/or was recorded in the Patent and Trademark Office at Reel , Frame . The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the Assignee.

Respectfully submitted,

SEAGATE TECHNOLOGY LLC  
 (Assignee of Entire Interest)

1-19-2004  
 Date

  
 Kirk A. Cesari, Reg. No. 47,479  
 Patent Agent  
 SEAGATE TECHNOLOGY LLC  
 Intellectual Property Dept. - SHK2LG  
 1280 Disc Drive  
 Shakopee, MN 55379-1863  
 (952) 402-3534 (telephone)  
 (952) 402-2657 (facsimile)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted With Initial Filing **OR** ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	STL11658
First Named Inventor	TaiVie Chiang et al
COMPLETE IF KNOWN	
Application Number	
Filing Date	
Art Unit	
Examiner Name	

**I hereby declare that:**

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Head Polarity Detection Algorithm And Apparatus

(Title of the Invention)

the specification of which

☒ is attached hereto

**OR**

☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

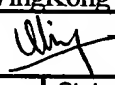
[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

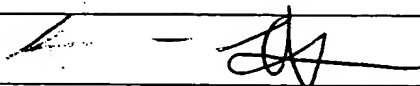

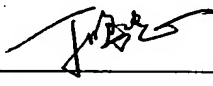
Direct all correspondence to: <input type="checkbox"/> Customer Number: <input type="text"/>				OR <input checked="" type="checkbox"/> Correspondence address below	
Name Kirk A. Cesari, Seagate Technology LLC					
Address 1280 Disc Drive					
City Shakopee		State MN		ZIP 55379	
Country		Telephone 1-952-402-3534		Fax 1-952-402-2657	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) TaiVie				Family Name or Surname Chiang	
Inventor's Signature				Date	
Residence: City Singapore		State Singapore		Country Singapore	
Citizenship Singapore					
Mailing Address Blk 727 Tampines St 71 #08-07					
City Singapore		State Singapore		ZIP 520727	
Country Singapore					
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) WingKong				Family Name or Surname Chiang	
Inventor's Signature 				Date 22 DEC 2003	
Residence: City Singapore		State Singapore		Country Singapore	
Citizenship Singapore					
Mailing Address Blk 972 Hougang St 91 #07-190					
City Singapore		State Singapore		ZIP 530972	
Country Singapore					
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/> Customer Number: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span>		OR <input checked="" type="checkbox"/> Correspondence address below	
Name <b>Kirk A. Cesari, Seagate Technology LLC</b>			
Address <b>1280 Disc Drive</b>			
City <b>Shakopee</b>		State <b>MN</b>	ZIP <b>55379</b>
Country	Telephone <b>1-952-402-3534</b>	Fax <b>1-952-402-2657</b>	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) <b>TaiVie</b>		Family Name or Surname <b>Chiang</b>	
Inventor's Signature 		Date <b>7/12/2003</b>	
Residence: City <b>Singapore</b>	State <b>Singapore</b>	Country <b>Singapore</b>	Citizenship <b>Singapore</b>
Mailing Address <b>Blk 727 Tampines St 71 #08-07</b>			
City <b>Singapore</b>	State <b>Singapore</b>	ZIP <b>520727</b>	Country <b>Singapore</b>
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) <b>WingKong</b>		Family Name or Surname <b>Chiang</b>	
Inventor's Signature		Date	
Residence: City <b>Singapore</b>	State <b>Singapore</b>	Country <b>Singapore</b>	Citizenship <b>Singapore</b>
Mailing Address <b>Blk 972 Hougang St 91 #07-190</b>			
City <b>Singapore</b>	State <b>Singapore</b>	ZIP <b>530972</b>	Country <b>Singapore</b>
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the <u>1</u> supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.			

**DECLARATION****ADDITIONAL INVENTOR(S)**  
Supplemental SheetPage 1 of 1

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
KianKeong		Ooi	
Inventor's Signature 		Date 12/15/03	
Residence: City Singapore	State Singapore	Country Singapore	Citizenship Malaysian
Mailing Address Blk 55 Tampines Ave 1 #03-01			
Mailing Address			
City Singapore	State Singapore	Zip 529773	Country Singapore
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
KianSoon		Yeo	
Inventor's Signature 		Date 15 DEC 2003	
Residence: City Singapore	State Singapore	Country Singapore	Citizenship Singapore
Mailing Address Blk 713 Pasir Ris St 72, #08-41			
Mailing Address			
City Singapore	State Singapore	Zip 510713	Country Singapore
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
MingZhong		Ding	
Inventor's Signature 		Date Dec. 15, 2003	
Residence: City Singapore	State Singapore	Country Singapore	Citizenship PRChina
Mailing Address Blk 539 Bukit Batok St 52 #12-581			
Mailing Address			
City Singapore	State Singapore	Zip 650539	Country Singapore

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.